

# Harris County Leading Causes of Death Summary of Findings

Office of Science, Surveillance, and Technology  
Office of Planning and Innovation  
August 2021



# Agenda

## 1. Explanation of Reports

- ☐ Commissioners Court Analyst's Office: *Annual Deaths in Harris County, 2010 through 2020*
- ☐ Harris County Public Health: *Harris County Leading Causes of Death Analysis 2015-2019*

## 2. Explanation of Mortality

## 3. Mortality Rate

## 4. Leading Causes of Death 2015-2019

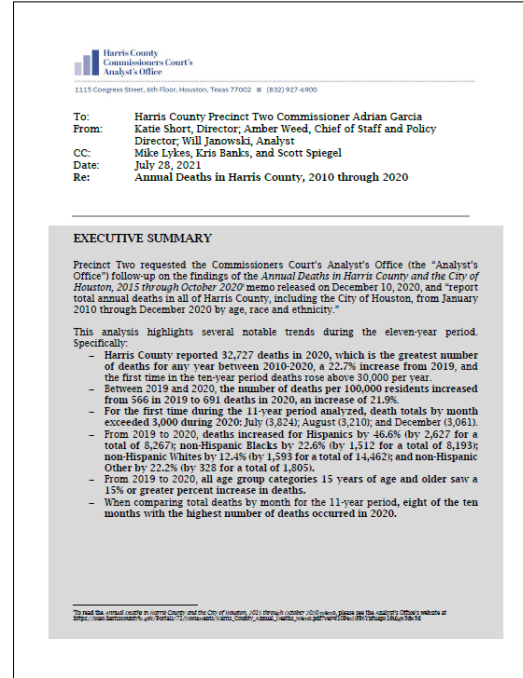
- ☐ Overall
  - ☐ Preliminary for 2020
  - ☐ By Race/Ethnicity
  - ☐ By Gender
- ☐ Children 1-17

## 5. Next Steps

# Two Reports: Total Deaths and Leading Causes of Death

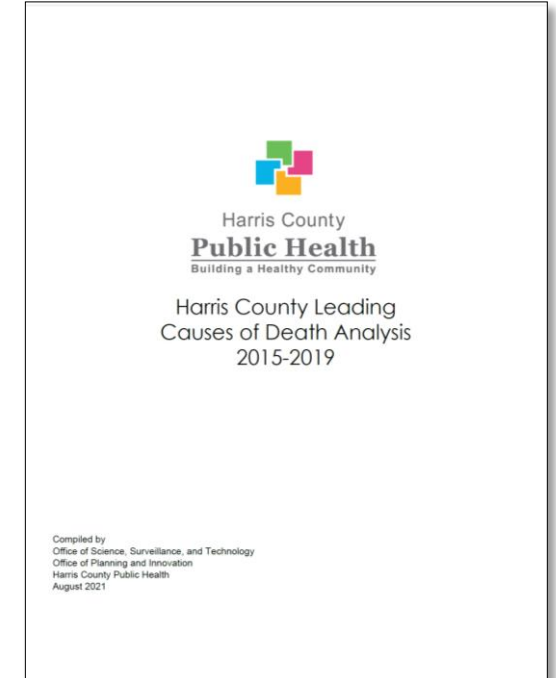
## Commissioners Court Analyst's Office

- Annual Deaths in Harris County
- Total deaths by number
- 2010-2020
- By age, race/ethnicity
- Data from Texas Department of State Health Services (DSHS)



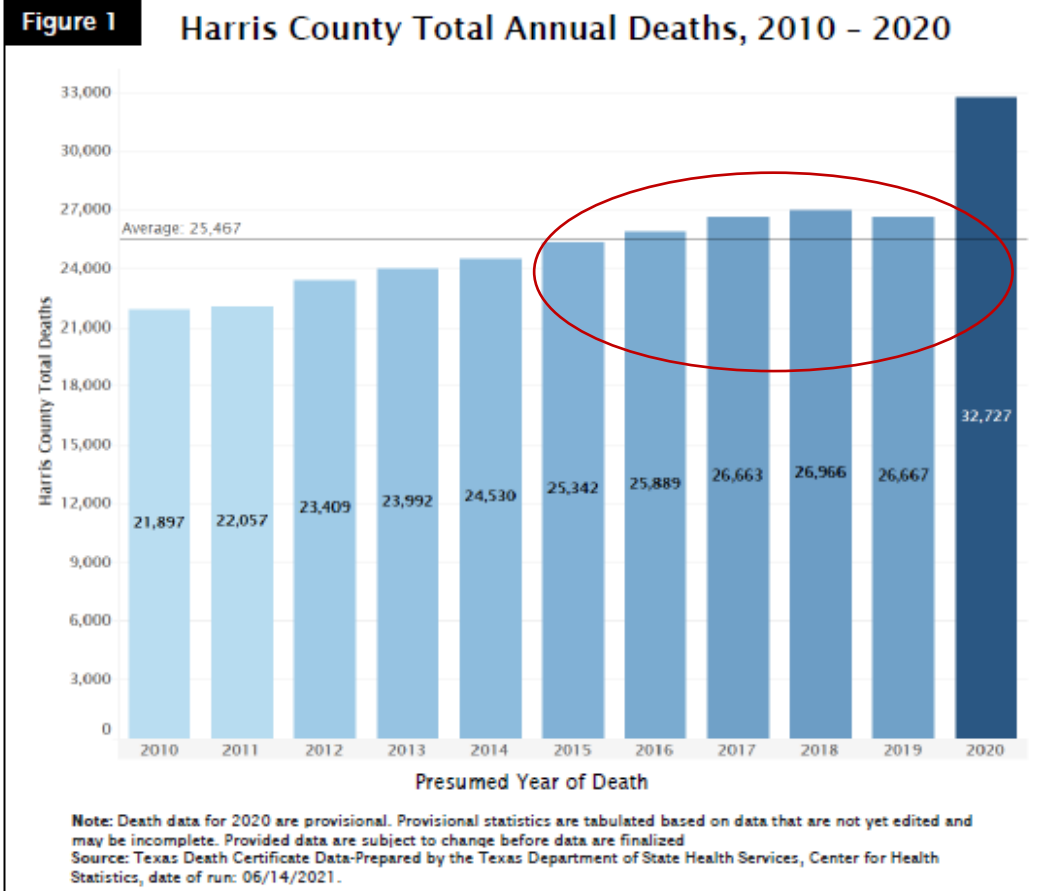
## Harris County Public Health

- Leading Causes of Death Analysis in Harris County
- Leading causes of death
- 2015-2019
  - \*Preliminary 2020 exploration
- By age, race/ethnicity, sex
- Data from CDC Wonder
  - \*2020 COVID data from DSHS



# Total Death Numbers v. Age-Adjusted Rate

## Mortality Explanation



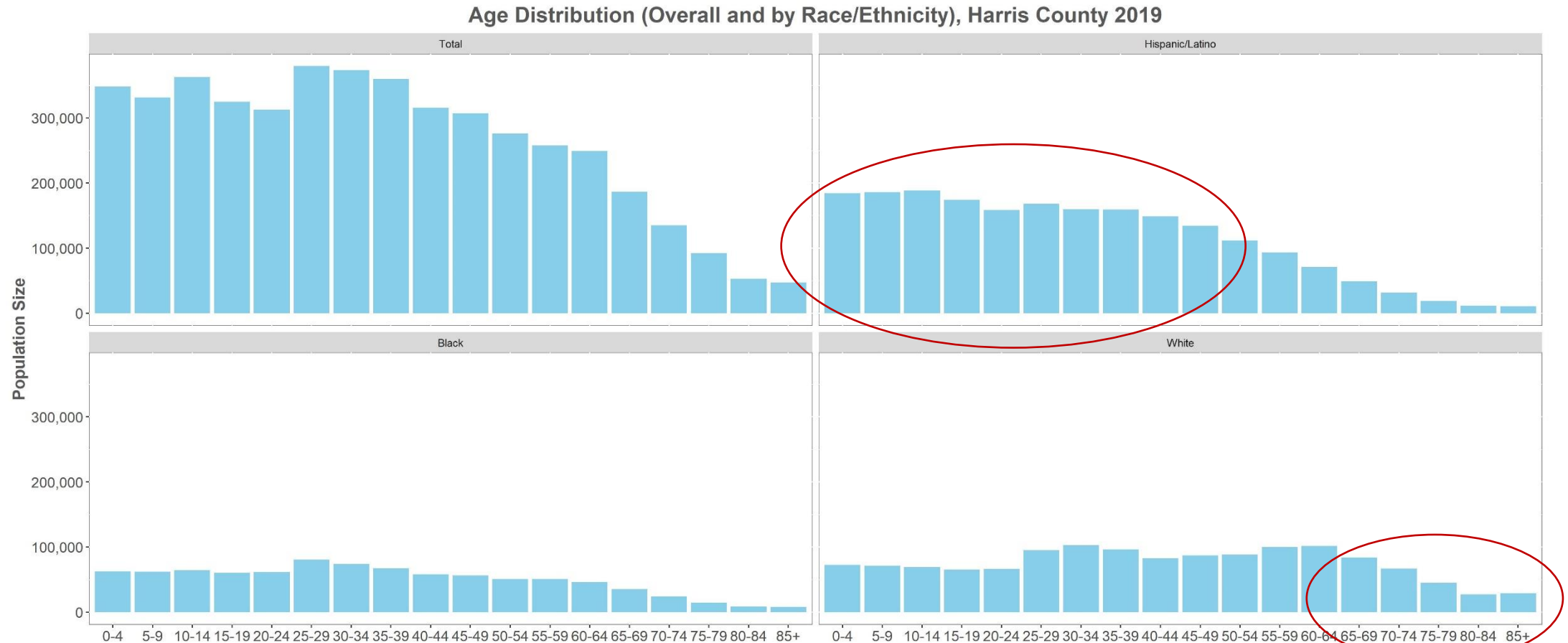
## Crude and Age-Adjusted Mortality Rates Harris County 2015-2019

Year	Total Deaths	Population	Crude Mortality Rate Per 100,000 Persons	Age-Adjusted Mortality Rate per 100,000 Persons(95% Confidence Interval)
2015	25,477	4,538,028	561.4	716.8(707.7-725.9)
2016	25,997	4,589,928	566.4	703.6(694.7-712.4)
2017	26,806	4,652,980	576.1	700.5(691.9-709.2)
2018	27,167	4,698,619	578.2	693.8(685.3-702.2)
2019	26,730	4,713,325	567.1	664.4(656.3-672.6)

Source: CDC Wonders. Age-adjusted to the 2000 standard population. Approved for public distribution. 2021-07-28

# Why Adjusting for Age Matters

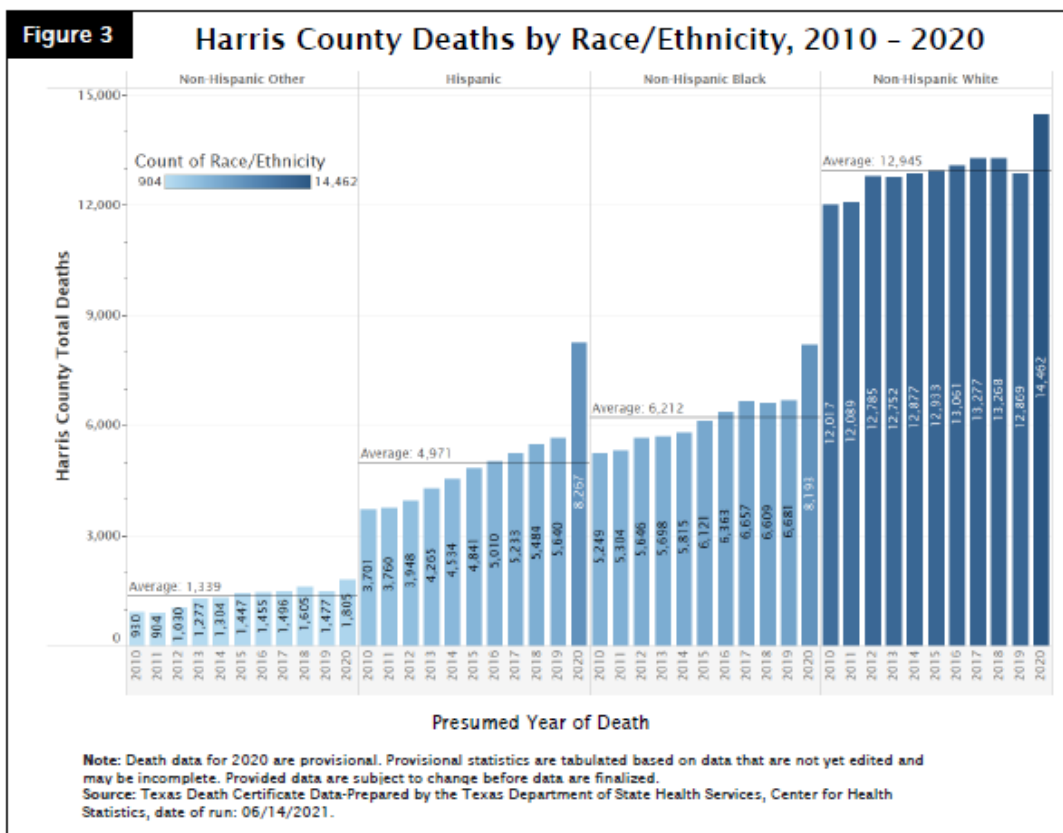
## Mortality Explanation



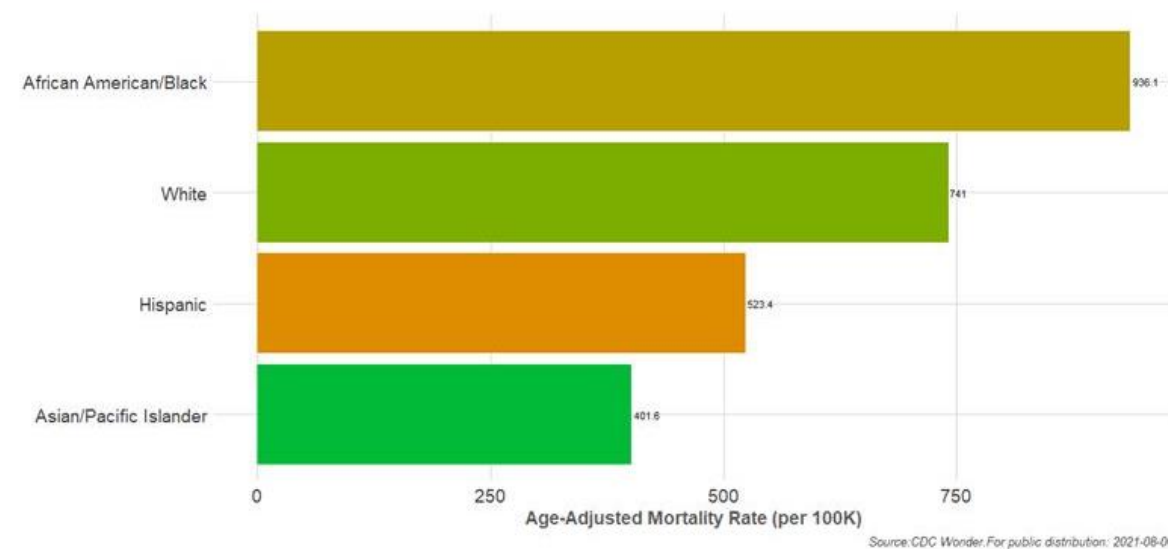
Source: Census 2019. For Public Distribution. Updated: 2021-08-06

# Death Numbers vs. Age-Adjusted Rates by Race/Ethnicity

## Mortality Explanation

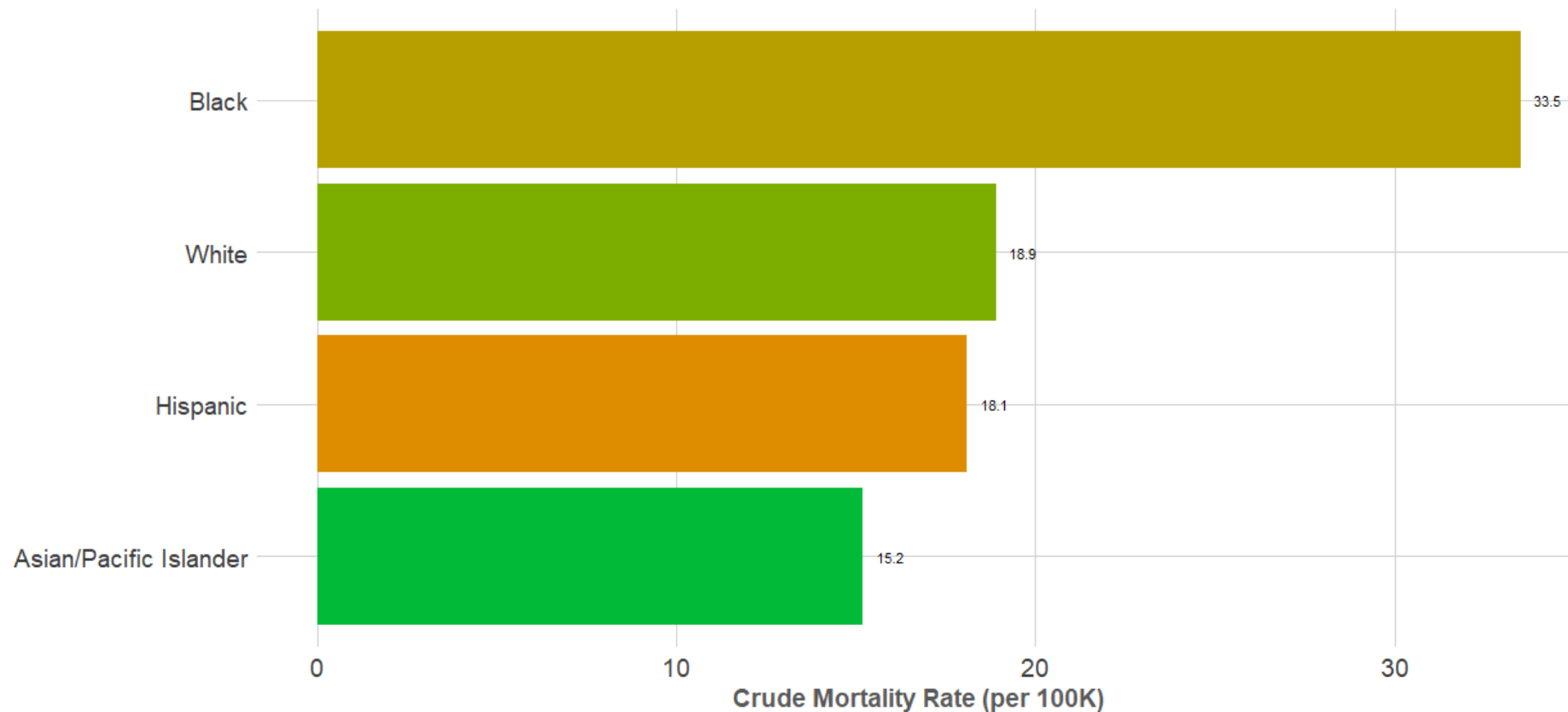


## Age-Adjusted Mortality Rates by Race/Ethnicity, Harris County 2015-2019



# Crude Child Mortality 1-17 Years by Race/Ethnicity

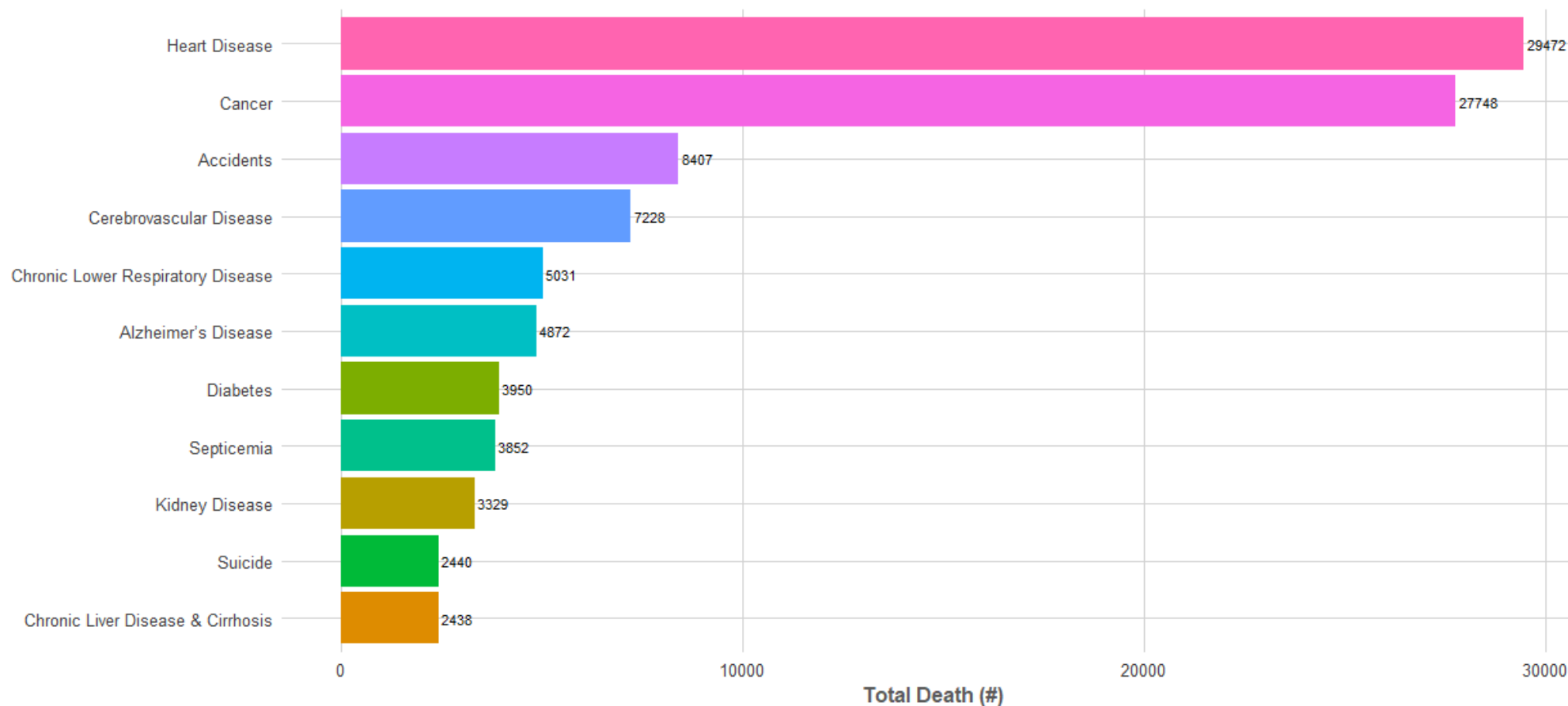
Harris County 2015-2019



Source: CDC Wonder. For public distribution: 2021-08-06

# 11 Leading Causes of Death Overall

Harris County 2015-2019

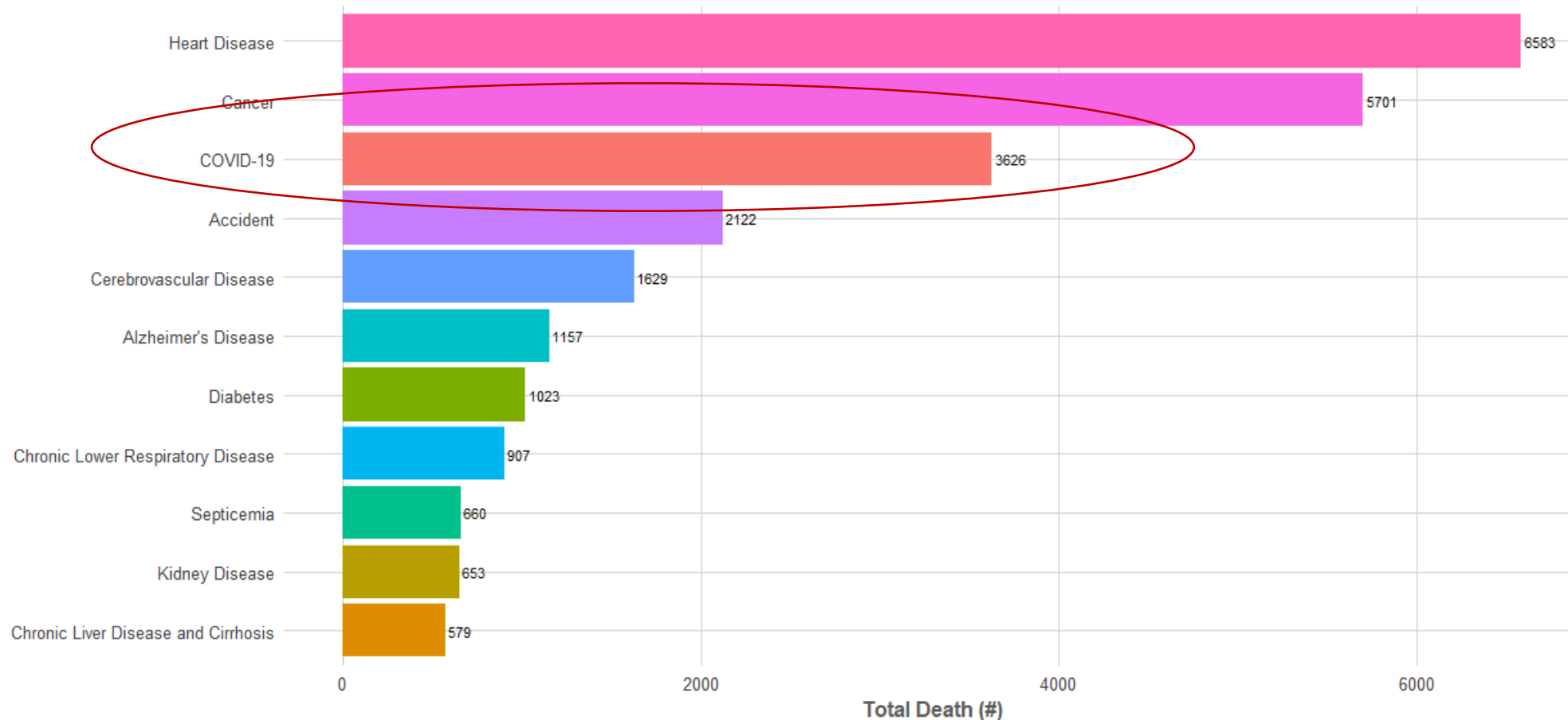


Source: CDC Wonder. For Public Distribution 2021-08-06



# 2020 Leading Causes of Death

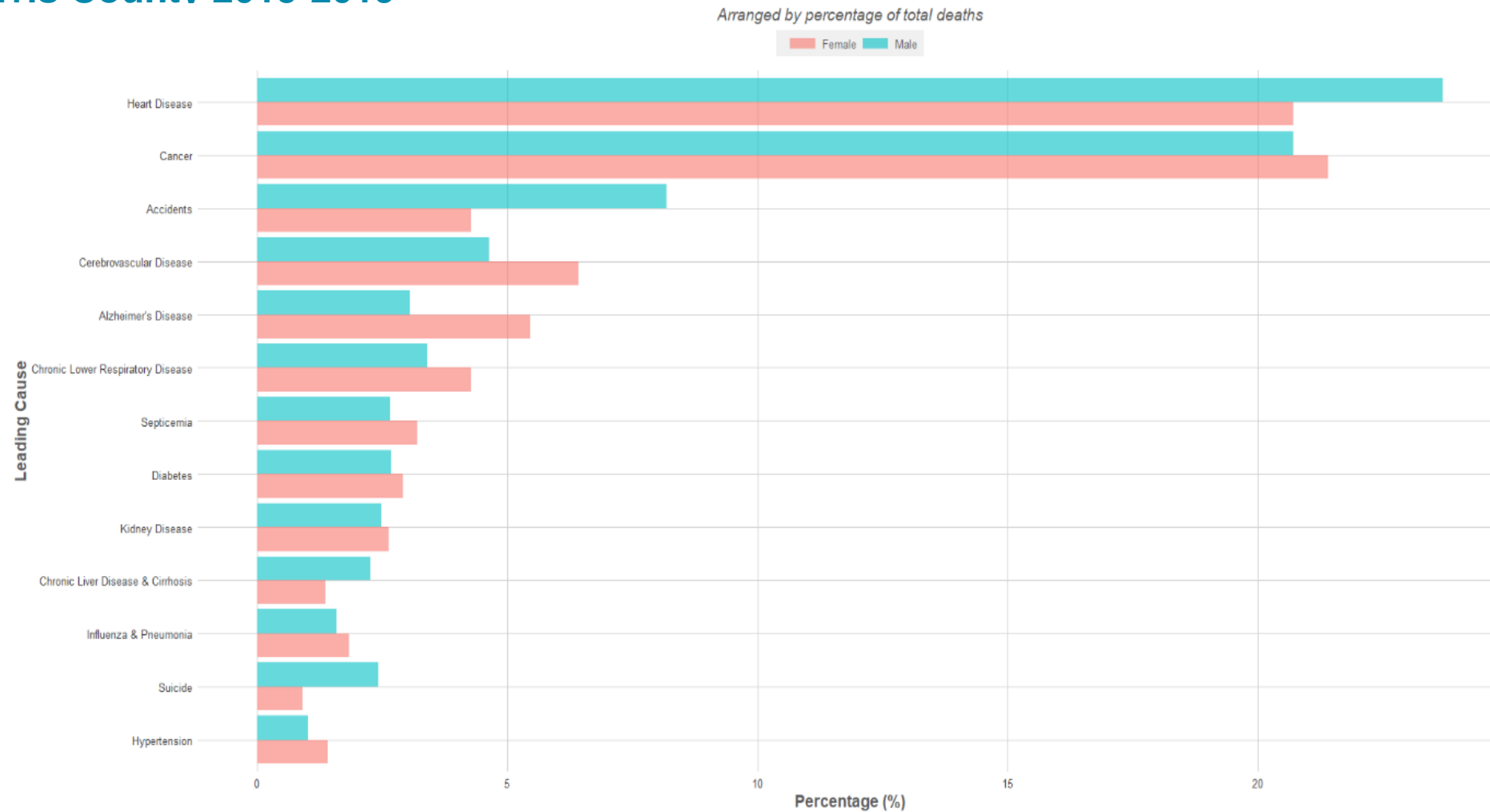
Harris County 2020



Source : DSHS. Distribution not approved. For HCPH Leadership Only. Updated: 2021-08-06

# 11 Leading Causes of Death by Gender

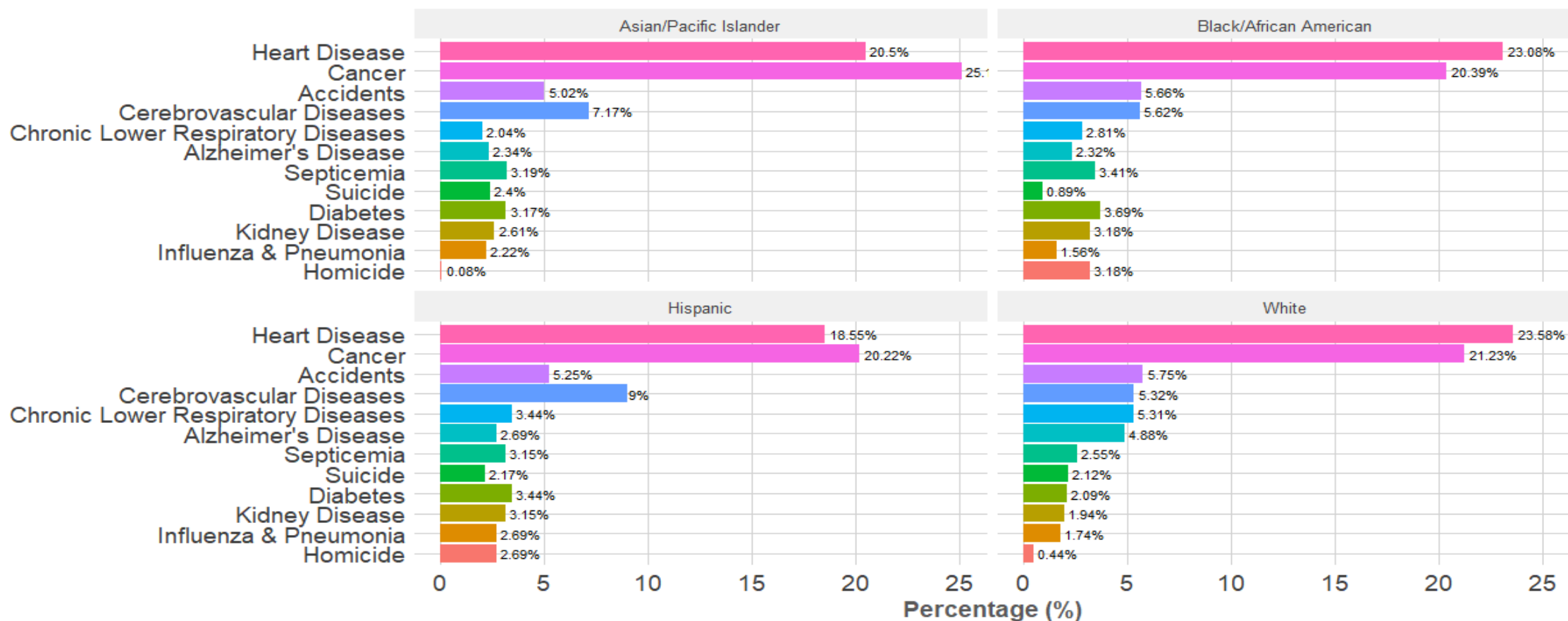
Harris County 2015-2019



Source: CDC Wonder. For Public Distribution. Updated: 2021-08-05

# 11 Leading Causes of Death by Race/Ethnicity

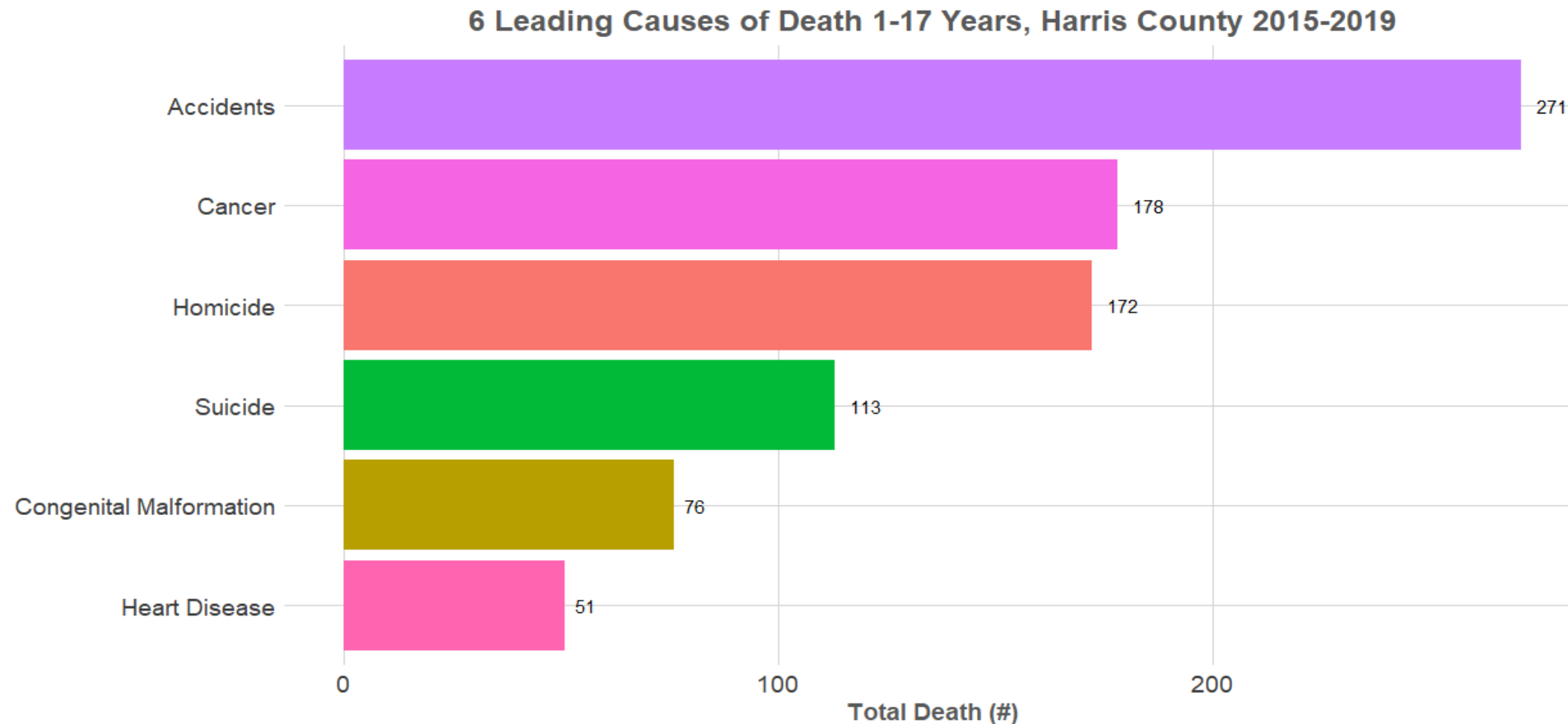
Harris County 2015-2019



Source: CDC Wonder. For public distribution: 2021-08-06

# 6 Leading Causes of Death for Children Ages 1-17 Years

Harris County 2015-2019



Source: CDC Wonder. For Public Distribution. Updated: 2021-08-06

# Next Steps

## Harris County Public Health

1. Expand data analysis on community health indicators relevant to HCPH services. Produce annual report on mortality and health indicators.
2. Convene an internal mortality taskforce to develop recommendations on modified HCPH services.

# Harris County Public Health

## {Mission}

*To promote a healthy and safe community, prevent illness and injury, and protect Harris County residents throughout their lifespan.*

## {Vision}

*Healthy People,  
Healthy Communities,  
a Healthy Harris County.*

## {Cornerstone Values}

*Innovation,  
Equity,  
Engagement.*

[www.hcphtx.org](http://www.hcphtx.org)